Blogs, Mind-Mapping and Presentations
163 – Metabolics Translated
**Individual Student responsibilities:**

- **2x** Individual contribution to presentation
- **10x** Class participation
- **10x** Weekly Mind Maps
- **2x** Blogs

75% of course grade is individual work

<table>
<thead>
<tr>
<th>COGS163 Grade Breakdown</th>
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<tbody>
<tr>
<td>2 Presentations (individual work)</td>
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<td>Class</td>
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<td>Mind Maps</td>
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<td>2 Medium Blogs</td>
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<td>2 presentations (group)</td>
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Upload weekly Mind Maps:

Mind map submission link for W19:
https://goo.gl/forms/E37fsoGPxEkwxt8h2

You will need to sign in with your UCSD email address.
STUDENTS: PLEASE READ THIS PAPER FOR CLASS. THE LINK FOR THE "FOCUS" PAPER IS HERE.

Week 2 Presentations

Week 2 Papers
The role of insulin receptor signaling in the brain-2005.
Interactions between the central nervous system and pancreatic islet secrations: a historical perspective-2013.
Ch15-Insulin Resistance, Metabolic Syndrome, and therapy
The Metabolic Syndrome - Endocrine Reviews 2008

Week 2 Topics
Tuesday: Boyle - Insulin
Ahern paper - introduction
Focus on: Autonomic regulation of islet hormone secretion ± Implications for health and disease

Thursday: Team Stressed but Well Dressed
Insulin Signaling Pathways
Focus on: The role of insulin receptor signaling in the brain
Team DOPEamine
Consequences of Glucose Disruption
Focus on: Insulin Resistance, Metabolic Syndrome, and Therapy

TEAMS WITH SHARED PRESENTATION DAYS- PLEASE COORDINATE CONTENT.
Week 4 Presentations

**REQUIRED FOCUS PAPERS**

- **Week 4 Papers**
  - Neonatal overnutrition causes early alterations in the central response to peripheral ghrelin-2014
  - Ghrelin mediates stress-induced food-reward behavior in mice
  - Ch29-Ghrelin, Lipid Metabolism and Metabolic Syndrome
  - Intracellular signalling pathways activated by leptin
  - A ghrelin–growth hormone axis drives stress-induced vulnerability to enhanced fear-2014

**ADDITIONAL READING PAPERS**

*These papers are for the presenting groups to provide background and additional insights.*

**Week 4 Topics**

- **Tuesday**: Team A Little Bit of Leptin - Topic: Grehlin & Circuit Formation
  - Colleen et al paper - research article
  - Focus on: Neonatal overnutrition causes early alterations in the central response to peripheral ghrelin.

- **Thursday**: Team Peptide Pods - Topic: Grehlin and Anxiety
  - Chuang et al paper - research article
  - Focus on: Ghrelin mediates stress-induced food-reward behavior in mice.
This is where the team presentations will be posted.

Week 4 Presentations

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  - Focus on: Ghrelin mediates stress-induced food-reward behavior in mice.

Please send me a link or a pdf file of presentation BEFORE so that I may post it for the class.😊
Your IA/TAs for this class are: Samantha and Zoe

Each group will have one of the IA/TAs as their mentor and will meet with them weekly to assist the group with their presentation and any questions regarding the material. Weekly meetings are included in the participation grade for the class. Section is required.

Office hours and contact information for everyone will be posted on TritonED.